

APPARATUS AND METHODS FOR SERVO-CONTROLLED MANUFACTURING OPERATIONS

ABSTRACT OF THE DISCLOSURE

5 Apparatus and methods for servo-controlled manufacturing operations are disclosed.
In one embodiment, an apparatus includes a base member, a drive platform spaced apart from
the base member by a separation distance, and a plurality of guide members extending
between the drive platform and the base member. At least one of the drive platform and the
base member are moveable along the guide members to increase or decrease the separation
10 distance. The apparatus also includes a drive member operatively coupled between the drive
platform and the base member, and a servo motor operatively coupled to the drive member.
As the servo motor drives the drive member, the separation distance is varied. In an alternate
embodiment, a manufacturing tool may be coupled to at least one of the drive platform and
the base member.

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